Name:

p1105: Factoring when $a = $ prime (v29)

1. Factor the expression $3x^2 + 11x + 6$

<div style="color:red; text-align:center">$(3x + 2)(x + 3)$</div>

2. Factor the expression $11x^2 - 30x - 9$

<div style="color:red; text-align:center">$(11x + 3)(x - 3)$</div>

3. Factor the expression $11x^2 - 39x + 18$

<div style="color:red; text-align:center">$(11x - 6)(x - 3)$</div>

4. Factor the expression $7x^2 + 22x - 24$

<div style="color:red; text-align:center">$(7x - 6)(x + 4)$</div>

5. Factor the expression $7x^2 - 41x + 30$

<div style="color:red; text-align:center">$(7x - 6)(x - 5)$</div>

6. Factor the expression $7x^2 + 11x + 4$

$$(7x + 4)(x + 1)$$

7. Factor the expression $11x^2 - 80x + 21$

$$(11x - 3)(x - 7)$$

8. Factor the expression $3x^2 + 5x - 12$

$$(3x - 4)(x + 3)$$

9. Factor the expression $11x^2 + 85x + 56$

$$(11x + 8)(x + 7)$$

10. Factor the expression $3x^2 + 19x + 28$

$$(3x + 7)(x + 4)$$